

CLAIMS

1. (Currently amended) A method for dynamic configuration of a mobile access point comprising:

determining a position of said mobile access point, said mobile access point operable to provide a point of connection for wireless communications between a distributed computer network and a wireless client device;

identifying a region based on said position; ~~and~~

comparing said region with a previous position of said mobile access point to determine if said mobile access point has been moved to said region;

automatically updating configuration information associated with an application of said mobile access point based on said region, wherein said configuration information ~~includes an updated radio frequency for transmitting~~ enables transmission of a wireless communications between said distributed computer network and communication from said wireless client device ~~to for~~ said mobile access point within said region, and wherein said configuration information is different than a previous configuration associated with said previous position; and

transmitting said wireless communication from said mobile access point to said distributed computer network.

2. (Currently amended) The method as recited in Claim 1 wherein said mobile access point comprises a router configured to route a data packet from said wireless client device to a remote client device.

3. (Original) The method as recited in Claim 1 wherein said mobile access point communicates by a wireless connection to a distributed computer network in said region using Mobile Internet protocol (IP).

4. (Original) The method as recited in Claim 1 wherein said application operates at a physical layer of a protocol stack of said mobile access point:

5. (Original) The method as recited in Claim 4 wherein said application is a transceiver providing communication over said wireless connection.

6. (Currently amended) The method as recited in Claim 5 wherein said configuration information further comprises a radio frequency, a maximum conducted power output, ~~and or~~ a maximum antenna gain.

7. (Original) The method as recited in Claim 1 wherein said determining said position is performed periodically according to a predetermined time period.

8. (Original) The method as recited in Claim 1 wherein said position determination system is a global positioning system (GPS) system.

9. (Original) The method as recited in Claim 1 wherein said application operates at an application layer of a protocol stack of said mobile access point.

10. (Currently amended) The method as recited in Claim 1 wherein said configuration information ~~is selected from a group consisting of: language; routing protocol; service provider; management protocol; telephone number; identification of entity for managing said mobile access point~~ comprises transmission configuration data and a selected user interface language, wherein said transmission configuration data and said selected user interface language are separately configurable for said region.

11. (Previously Presented) A mobile access point comprising:
a processor for updating configuration information in response to a geographic position wherein said configuration information includes an updated radio frequency for transmitting wireless communications between a distributed computer network and a wireless client device for said mobile access point within a region;
a transceiver coupled to said processor, said transceiver associated with said configuration information and communicatively coupled to a distributed computer network over a wireless connection, said mobile access point operable to provide a point of connection for

wireless communications between said distributed computer network and said wireless client device over said wireless connection;

a memory unit coupled to said processor, said memory unit comprising said configuration information associated with said transceiver for a plurality of regions; and

a position determination system coupled to said processor, said position determination system for identifying said geographic position of said mobile access point.

12. (Currently amended) The mobile access point as recited in Claim 11 wherein said mobile access point is operable to provide routing capability for routing data packets from said wireless client device to said distributed network.

13. (Original) The mobile access point as recited in Claim 11 wherein said mobile access point is communicatively coupled to said distributed computer network using Mobile Internet protocol (IP).

14. (Currently amended) The mobile access point as recited in Claim 11 wherein said configuration information further comprises a maximum conducted power output, ~~and~~ or a maximum antenna gain.

15. (Original) The mobile access point as recited in Claim 11 wherein said position determination system is operable to identify said geographic position periodically according to a predetermined time period.

16. (Original) The mobile access point as recited in Claim 11 wherein said memory unit further comprises second configuration information of an application for a second plurality of regions.

17. (Original) The mobile access point as recited in Claim 16 wherein said processor is operable to update said second configuration information in response to said geographic position.

18. (Currently amended) The mobile access point as recited in Claim 11 wherein said processor is configured to compare said region with a previous position of said mobile access point to determine if said mobile access point has been moved to said region wherein said position determination system is a global positioning system (GPS) system.

19. (Currently amended) The mobile access point as recited in Claim 18 wherein said configuration information is different than a previous configuration associated with said previous position ~~16 wherein said application operates at an application layer of a protocol stack of said mobile access point.~~

20. (Currently amended) The mobile access point as recited in Claim 11 wherein said configuration information ~~is selected from a group consisting of: language; routing protocol; service provider; management protocol; telephone number; identification of entity for managing said mobile access point~~ comprises transmission configuration data and a selected user interface language, wherein said transmission configuration data and said selected user interface language are separately configurable for said region.

21. (Currently amended) A computer-readable medium having computer-readable problem program code embodied therein for causing a computer system to perform a method of dynamic configuration of a mobile access point, said mobile access point operable to provide a point of connection for wireless communications between a distributed computer network and a wireless client device, said method comprising:

determining a position of said mobile access point;

comparing said region with a previous position of said mobile access point to determine if said mobile access point has been moved to said region;

identifying a region based on said position; and

automatically updating configuration information associated with an application of said mobile access point based on said region, wherein said configuration information ~~includes a selected radio frequency for transmitting~~ enables transmission of wireless communications ~~between said distributed computer network and from said wireless client device for to said~~

mobile access point within said region, and wherein said configuration information is different than a previous configuration associated with said previous position.

22. (Currently amended) The computer-readable medium as recited in Claim 21 wherein said mobile access point comprises a router configured to route a data packet from said wireless client device to a remote client device.

23. (Original) The computer-readable medium as recited in Claim 21 wherein said mobile access point communicates by a wireless connection to a distributed computer network in said region using Mobile Internet protocol (IP).

24. (Original) The computer-readable medium as recited in Claim 21 wherein said application operates at a physical layer of a protocol stack of said mobile access point.

25. (Original) The computer-readable medium as recited in Claim 24 wherein said application is a radio providing communication over said wireless connection.

26. (Currently amended) The computer-readable medium as recited in Claim 25 wherein said configuration information ~~further~~ comprises a radio frequency, a maximum conducted power output, ~~and or~~ a maximum antenna gain.

27. (Original) The computer-readable medium as recited in Claim 21 wherein said determining said position is performed periodically according to a predetermined time period.

28. (Currently amended) The computer-readable medium as recited in Claim 21, said method further comprising transmitting said wireless communications from said mobile access point to said distributed computer network wherein said position determination system is a global positioning system (GPS) system.

29. (Original) The computer-readable medium as recited in Claim 21 wherein said application operates at an application layer of a protocol stack of said mobile access point.

30. (Currently amended) The computer-readable medium as recited in Claim 21 wherein said configuration information is ~~selected from a group consisting of: language; routing protocol; service provider; management protocol; telephone number; identification of entity for managing~~ said mobile access point comprises transmission configuration data and a selected user interface language, wherein said transmission configuration data and said selected user interface language are individually configured for said region.

31. (Currently amended) A system for dynamic configuration of a mobile access point, said mobile access point operable to provide a point of connection for wireless communications between a distributed computer network and a wireless client device, said system ~~method~~ comprising:

means for determining a position of said mobile access point;

means for identifying a region based on said position; and

means for automatically updating configuration information associated with an application of said mobile access point based on said region, wherein said configuration information includes a selected radio frequency for transmitting ~~a wireless communications between said distributed computer network and communication from~~ said wireless client device for to said mobile access point within said region; and

means for transmitting said wireless communication from said mobile access point to said distributed computer network.

32. (Currently amended) The system as recited in Claim 31 wherein said mobile access point comprises a routing means configured to route a data packet from said wireless client device to a remote client device.

33. (Currently amended) The system as recited in Claim 31 further comprising means for comparing said region with a previous position of said mobile access point to determine if said mobile access point has been moved to said region wherein said mobile access point communicates by a wireless means to a distributed computer network in said region using mobile Internet protocol (IP).

34. (Original) The system as recited in Claim 31 wherein said application operates at a physical layer of a protocol stack of said mobile access point.

35. (Original) The system as recited in Claim 34 wherein said application is a transceiver providing communication over said wireless connection.

36. (Currently amended) The system as recited in Claim 35 wherein said configuration information ~~further~~ comprises a radio frequency, a maximum conducted power output, ~~and or~~ a maximum antenna gain.

37. (Currently amended) The system as recited in Claim 33 wherein said configuration information is different than a previous configuration associated with said previous position ~~31 wherein said means for determining said position performs periodically according to a predetermined time period.~~

38. (Original) The system as recited in Claim 31 wherein said position determination system is a global positioning system (GPS) system.

39. (Original) The system as recited in Claim 31 wherein said application operates at an application layer of a protocol stack of said mobile access point.

40. (Currently amended) The system as recited in Claim 31 wherein said configuration information ~~is selected from a group consisting of: language; routing protocol; service provider; management protocol; telephone number; identification of entity for managing said mobile access point~~ comprises transmission configuration data and a selected user interface language, wherein said transmission configuration data and said selected user interface language are individually configured for said region.